

AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [0017] as follows:

The respective rotary angle position of the pneumatic tire 10 can be determined by a rotary angle sensor [[18]] 17 connected to the measuring shaft 2 of the wheel balancing machine. The sensor [[18]] 17 supplies rotary angle increments to the evaluation device 9 representing the rotary movement of the motor vehicle wheel 1. The rotary angle increments provide positional information of the respective rotary angle positions of the surface location of the tire surface, which is being scanned by the respective sensor device 18. A tire inflation valve 21 can serve as the reference for determining rotary angles by the sensor device 18 that scans the outside of the vehicle wheel.